



In re A	Application:) Cubukcu et al.)	Examiner:	Not yet assigned
Serial	No.: 10/612,330	Group Art Unit:	Not yet assigned
Filed:	July, 2, 2003		
For:	CERAMIC COMPOSITE) ELECTROLYTIC DEVICE) AND METHOD)	Docket No. 21980	-04012

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

Sir:

Transmitted herewith are the following:

- 1. Information Disclosure Statement;
- 2. PTO Form 1449 with (10) References; and
- 3. Return Receipt Postcard.

It is believed that no further fee is required relating to the filing of these documents. If this is not the case, the Patent Office is hereby authorized to charge any related fee to Deposit Account No. 03-0172. A duplicate copy of this sheet is attached.

Respectfully submitted,

Date: $\frac{\hat{f}\delta/\hat{9}/33}{1}$

By:

Jeanne E. Longmuir

Reg. No. 33,133

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I hereby certify that this *Information Disclosure Statement* is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 9th day of October, 2003.

LORI YANEFF 21980/04012

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Cubukcu et al.)		
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Docket No. 21980-04012)		

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

This Information Disclosure Statement is being filed to fulfill the duty of candor and good faith toward the Patent and Trademark Office, as required pursuant to 37 C.F.R. § 1.56.

Listed on the attached PTO form 1449 is information known to persons substantively involved in the preparation of the application identified above, and that a reasonable Examiner would consider important when deciding whether to allow the application. This document is not to be construed as a representation that a search to locate the most relevant information has been made, nor a representation that more pertinent information does not exist.

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PTO/SB/08A (10-96)

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	Complete if Known					
Application Number	10/612,330	_				
Filing Date	July 2., 2003					
First Named Inventor	Cubukcu et al.					
Group Art Unit	Not yet assigned					
Examiner Name	Not yet assigned					
Attorney Docket Number	21980/04012	_				

<u>.</u>		U.S. Patent Document		Pages, Columns, Lines,		
Examiner Initials*	Cite No.1	Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear
		4,659,448		Gordon	04/21/1987	
-		4,764,488		Saito et al.	08/16/1998	
		4,789,561		Schaefer et al.	12/06/1995	
		4,867,902		Russell	09/19/1989	
W- 1-3-1-1-		5,069,987		Gordon	12/03/1991	
		5,200,279	i	Draper et al.	04/06/1993	
		5,209,989		Ishihara et al.	02/11/1991	
		5,234,722		Ito et al.	08/10/1993	
		5,238,754		Yasuo et al.	08/24/1993	
	1	5,256,499		Minh et al.	11/26/1993	
		5,258,240		DiCroce et al.	11/02/1993	
		5,261,944		Lockhart et al.	11/16/1993	
		5,270,129		Ishida	12/14/1993	
		5,273,837		Aitken et al.	12/28/1993	
		5,279,906		Yoshimura et al.	01/18/1994	
		5,281,490		Nishioka et al.	01/25/1994	
		5,286,580		Ippommatsu et al.	02/15/1994	
		5,290,642		Minh et al.	03/01/1994	
		5,292,599		Soma et al.	03/08/1994	
		5,306,411		Mazanec et al.	11/27/1990	
		5,312,700		Ishida	05/17/1994	****
		5,326,650		Ishida	07/05/1994	
		5,330,859		McPheeters et al.	07/19/1994	
		5,332,483		Gordon	07/19/1994	
		5,336,569		Misawa et al.	08/09/1994	
		5,342,703		Kawasaki et al.	08/30/1994	
		5,354,626		Kobayashi et al.	10/11/1994	
		5,358,735		Kawasaki et al.	10/25/1994	
		5,368,951		Shiratori et al.	11/29/1994	
		5,372,895		Sato et al.	12/13/1994	
		5,376,468		Arai et al.	12/27/1994	

Examiner	Date	
Signature	Considered	

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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Sheet 2 of

	Complete if Known	
Application Number	10/612,330	
Filing Date	July 2., 2003	
First Named Inventor	Cubukcu et al.	
Group Art Unit	Not yet assigned	
Examiner Name	Not yet assigned	
Attorney Docket Number	21980/04012	

				U.S. PATENT DOCUMENTS		
Examiner Initials*	Cite No.1	U.S. Patent Doc	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,385,792		Shiratori et al.	01/31/1995	
		5,405,712		Yoshimura et al.	04/11/1995	2734741
	Ī	5,409,371		Gordon	04/25/1995	
		5,413,879		Domaracki et al.	05/09/1995	
		5,418,081		Kawasaki et al.	05/23/1995	
		5,429,644		Arai et al.	07/04/1995	- · · · · ·
		5,445,902		Soma et al.	08/29/1995	
		5,453,330		Kawasaki et al.	09/26/1995	
		5,460,897		Gibson et al.	10/24/1995	
		5,474,800		Matasuzaki	12/12/1995	
		5,480,739		Kawasaki et al.	01/02/1996	
		5,486,428		Gardner et al.	01/23/1996	
		5,496,655		Lessing	03/05/1996	
	l	5,500,306		Hsu et al.	03/19/1996	
		5,500,307		Anzai et al.	03/19/1996	
		5,514,353		Adlhart	05/07/1996	
		5,518,830		Worrell et al.	05/21/1996	- ***
		5,527,633		Kawasaki et al.	09/10/1996	
		5,531,019		Taira et al.	07/02/1996	_
		5,541,014		Micheli et al.	07/30/1996	
	<u> </u>	5,551,955		Taira et al.	09/03/1996	
		5,554,454		Gardner et al.	09/10/1996	
		5,573,867		Zafred et al.	11/12/1996	
		5,585,203		Chikagawa et al.	12/17/1996	
		5,589,017		Minh	12/31/1996	
		5,591,537		Bagger et al.	01/07/1997	
		5,595,833		Gardner et al.	01/21/1997	
		5,614,127		Khandkar et al.	03/25/1997	
		5,624,542		Shen et al.	04/29/1997	
		6,074,771		Cubukcu et al.	06/13/2000	
		6,496,655		Malloy Desormeaux	12/17/2002	
		H1260		Towe	12/07/1993	

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Examiner		Date	
Signature		Considered	

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	Substitute for form 1449A/PTO		Application Number	10/612,330		
	INFORMATIO	N DISCLOS	JRE	Filing Date	July 2., 2003	
	STATEMENT BY APPLICANT			First Named Inventor	Cubukcu et al.	
				Group Art Unit	Not yet assigned	
	(use as m	any sheets as necess	ary)	Examiner Name	Not yet assigned	
Sheet	3	of	3	Attorney Docket Number	21980/04012	

	FOREIGN PATENT DOCUMENTS							
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Initials*	No.1	Office ³	Number⁴	(if known)	Document	MM-DD-YYYY	Figures Appear	T ⁶
		wo	94/06545	A1	University	03/31/1994		
		wo	94/26684	A1	The Arizona	07/24/1997		

 OTHER ART
 Fuel Cells written by Nguyen Q. Minh at pages 561-608, 1996.
Fuel Cells and Their Applications by Karl Kordesch and Günter Simader. Republic of Germany, 1996. Solid Oxide Fuel Cells (SOFC) at pp. 133-151.
Fuel Cell Technology: Status and Future Prospects written by A.J. Appleby at pages 521-653, 1993.
A Small Portable Proton Exchange Membrane Fuel Cell and Hydrogen Generator for Medical Applications written by Otto J. Adlhart, Peter Rohonyi, Dean Modroukas and Jack Driller. ASAIO Journal, 1997.
 Progress in Planar SOFC Science and Technology by A.C. Khandkar, S. Elangovan and J.J. Hartvigsen, 1996.
Solid Oxide Fuel Cells: Materials and Technology by Timothy R. Armstrong and Jeffry W. Stevenson, 1996.
The Westinghouse Solid Oxide Fuel Cell Program, 1996 IEEE. A Status Report written by Stephen E. Veyo.
Get Your O ₂ 's High Temperature Electroceramic Oxygen Separation and Reaction. Written by T.J. Mazanec. The Electrochemical Society Interface - Winter 1996.
Cubukcu et al; U.S. Patent Application No. 09/592,190; Filed: 12-Jun-2000; Title: CERAMIC COMPOSITE ELECTROLYTIC DEVICE (reference copy not enclosed)

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